

Sand Canyon Grade Separation Fed. Project No.: RPSTPL-5410(026) APN Ownership



County	Air Basin	Model	RTP ID		Program	Route	Begin	End	System	Conformity Cate	egory	Amend	Source
Orange	SCAB	O308	ORA000118		CAX61				L	NON-EXEMPT		0	2008
							PTC	1,903	Agency	IRVINE			
RD @ SCRRA TR	RACKS (BUR	T RD TO L	AGUNA CANYO	ON/OA	K CANYON	N) - RA	ILROAD (GRADE SEPA	RATION.	WIDENS FRO	M 4 TO 6 L	ANES.	
	ENG			Total	Prior		2008/2009						Tota
ANS PROG	662			662	662								662
REGIONAL	125			125	125								12:
	768			768	768								76
GMA	348			348	348								34
otal	1,903	1	1	1,903	1,903		,						1,90
County	Air Basin	Model	RTP ID		Program	Route	Begin	End	System	Conformity Cate	egory	Amend	Source
Orange	SCAB	O218	ORA000169		CAR63				L	NON-EXEMPT		0	2008
							PTC	16.526	Agency	IRVINE			
(CAMPUS DR T	O BONITA C	YN) WIDE	NING FROM 2.1	LANE	INDIVIDE	D TO 4	LANE DI			REALIGN			
(CIMI OS DICI	ENG						2008/2009				2012/2013	2013/2014	Tota
REGIONAL			8.252	8,252	8,252								8,252
	136	592											2,789
FEES			328										328
GMA	70			70	70								70
NDS		1,235	3,852	5,087	5,087								5,087
otal	206	1,827	14,493	16,526	16,526		,						16,526
County	Air Basin	Model	RTP ID		Program	Route	Begin	End	System	Conformity Cate	egory	Amend	Source
Orange	SCAB		no data		TRN14				L	EXEMPT		0	2008
							PTC	8,600	Agency	IRVINE			
DEWAY DEMON	NSTRATION	PROJECT S	TUDY - TRANS	SIT SYS	STEM IN T	HE GR	EAT PARK	SPECTRUM	I AREA. I	JNK IRVINE	STATION V	VITH SPEC	TRUM
RS													
	ENG	R/W	CON	Total	Prior		2008/2009	2009/2010	2010/20	11 2011/2012	2012/2013	2013/2014	Tota
	5,200			5,200	5,200								5,200
	3,400			3,400	3,400								3,400
otal	8,600			8,600	8,600								8,600
			RTP ID		Program	Route	Begin	End	System	Conformity Cate	egory	Amend	Source
County	Air Basin	Model	111111111111111111111111111111111111111						L	EXEMPT		0	
-	Air Basin SCAB	Model	ORA120315		CAR63				L	EALWIII		U	2008
-		Model			CAR63		PTC		_	IRVINE		U	2008
Orange	SCAB		ORA120315	прит		CVN		7,364	Agency	IRVINE	HDIIIN A	Ü	
-	SCAB I-5 (ADD 3R	D AND 4TH	ORA120315 I NB AND SB T		NS ON SNI) CYN	; IMP EB A	7,364 APPROACH A	Agency ADD 2 LFT	IRVINE TRN LNS,1 T		1 RT TRN	LN)
Orange	SCAB	D AND 4TH R/W	ORA120315 I NB AND SB T CON	Total	NS ON SNI Prior) CYN		7,364	Agency ADD 2 LFT	IRVINE		1 RT TRN	LN) Tota
Orange	SCAB I-5 (ADD 3R	D AND 4TH	ORA120315 I NB AND SB T CON 2,055		NS ON SNI Prior	O CYN	; IMP EB A	7,364 APPROACH A	Agency ADD 2 LFT	IRVINE TRN LNS,1 T		1 RT TRN	
I ON	ANS PROG REGIONAL GMA tal County Orange (CAMPUS DR T REGIONAL FEES GMA JDS tal County Orange DEWAY DEMON	ENG 662 REGIONAL 125 768 GMA 348 1,903 County Air Basin Orange SCAB CAMPUS DR TO BONITA CENG ENG ENG County Air Basin 136 FEES GMA 70 TO BONITA CENG TO BONITA CENG COUNTY AIR BASIN Orange SCAB COUNTY AIR BASIN Orange SCAB COUNTY COUNT	ENG R/W	ENG R/W CON	ENG R/W CON Total	ENG R/W CON Total Prior	ENG	RD @ SCRRA TRACKS (BURT RD TO LAGUNA CANYON/OAK CANYON) - RAILROAD OF ROBOTO CONTROL OF ROBOTO CONTROL OF ROBOTO CONTROL OF REGIONAL STATE OF ROBOTO CONTROL	RD @ SCRRA TRACKS (BURT RD TO LAGUNA CANYON/OAK CANYON) - RAILROAD GRADE SEPA	RD @ SCRRA TRACKS (BURT RD TO LAGUNA CANYON/OAK CANYON) - RAILROAD GRADE SEPARATION.	RD @ SCRRA TRACKS (BURT RD TO LAGUNA CANYON/OAK CANYON) - RAILROAD GRADE SEPARATION. WIDENS FRO	RD @ SCRRA TRACKS (BURT RD TO LAGUNA CANYON/OAK CANYON) - RAILROAD GRADE SEPARATION. WIDENS FROM 4 TO 6 L ENG R/W CON Total Prior 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 ANS PROG 662 662 662 REGIONAL 125 125 125 125 768 768 768 768 GMA 348 348 348 I J903 1,903 1,903 County Air Basin Model RTP ID Program Route Begin End System Conformity Category Orange SCAB O218 ORA000169 CAR63 PTC 16,526 Agency RVINE (CAMPUS DR TO BONITA CYN) WIDENING FROM 2 LANE UNDIVIDED TO 4 LANE DIVDED FACILITY AND REALIGN. ENG R/W CON Total Prior 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 REGIONAL 8,252 8,252 8,255 136 592 2,061 2,789 2,789 FEES 328 328 328 328 GMA 70 70 70 TDS 1,235 3,852 5,087 5,087 tal 206 1,827 14,493 16,526 16,526 County Air Basin Model RTP ID Program Route Begin End System Conformity Category TOTAL CONTROL CONTROL	RD @ SCRRA TRACKS (BURT RD TO LAGUNA CANYON/OAK CANYON) - RAILROAD GRADE SEPARATION. WIDENS FROM 4 TO 6 LANES. Find R/W CON Total Prior 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 ANS PROG 662 662 662 662 REGIONAL 125 125 125 125 Toka 768 768 768 768 768 GMA 348 348 348 tal 1,903 1,903 1,903 County Air Basin Model RTP ID Program Route Begin End System Conformity Category Amend Orange SCAB O218 ORA000169 CAR63 PTC 16,526 Agency IRVINE (CAMPUS DR TO BONITA CYN) WIDENING FROM 2 LANE UNDIVIDED TO 4 LANE DIVDED FACILITY AND REALIGN. ENG R/W CON Total Prior 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 REGIONAL 8,252 8,252 8,252 8,252 136 592 2,061 2,789 2,789 2,789 FEES 328 328 328 328 GMA 70 Total Prior 70 70 TDS 1,235 3,852 5,087 5,087 tal 206 1,827 14,493 16,526 16,526 County Air Basin Model RTP ID Program Route Begin End System Conformity Category Amend Orange SCAB no data- RN14 Prior 2,008/2009 2,009/2010 2,00

Page: 3 of 16 Print Date: 7/17/2008 10:44:19 AM

2008 RTIP - TECHNICAL APPENDIX REGIONAL EMISSIONS ANALYSIS

COUNTY - COMPREHENSIVE MODELING LISTING

	COUNTY - COMPREHENSIVE MODELING LISTING APPLICAND DECISION OF THE PROJECT COMPLETION BY)																					
00	O SYS* LEAD RTIP/RTP ID RT		DTE	BEG	END	PROJECT /	FDOM	T0	DDO IFOT DECODIDATION	ADDITIONAL PROJECT DETAILS, IF	2008						` _					
		AGENCY		RIE	PM	PM	ROUTE NAME	FROM	ТО	PROJECT DESCRIPTION	AVAILABLE	RTIP	BUILD	2008	2009	2010	2012	2014	2018	2020 20	023 20	030 2035
OR	L	IRVINE	ORA112	0	0.0	0.0	MOULTON ST	HARVARD	LAKE FOREST	MOULTON SMART STREET (HARVARD TO LAKE FOREST) WIDEN 4 TO 6 LANES	WIDEN FROM 4 TO 6 LANES	V	1				V					
OR	L	IRVINE	ORA000118	0	0.0	0.0	SAND CANYON RD	BURT ROAD	LAGUNA CANYON OAK CANYON	SAND CYN RD @ SCRRA TRACKS (BURT RD TO LAGUNA CANYON/OAK CANYON) - RAILROAD GRADE SEPARATION. WIDENS FROM 4 TO 6 LANES	WIDEN FROM 4 TO 6 LANES	1	1		1							
OR	L	IRVINE	ORA120514	0	0.0	0.0	TRABUCO RD			IRVINE - TRABUCO RD @ I-133 (ADD NEW ON-RAMPS AND OFF RAMPS AT TRABUCO & I-133)		V	V				1					
OR	L	LA HABRA	ORA120515	0	0.0	0.0	LAMBERT RD	EUCLID	CYPRESS	LA HABRA - LAMBERT RD WIDENING (FRM EUCLID TO CYPRESS ST; FRM 4 TO 6 LNS)	WIDEN FROM 4 TO 6 LANES	V	1	V								
OR	L	LAGUNA HILLS	ORA000119	0	0.0	0.0	ALICIA PKWY	PASEO ALICIA	ROUTE 5 SOUTHBOUND RAMP	ALICIA PKWY @ I-5. ADD 4TH EB LANE FROM PASEO DE ALICIA TO I-5 SB RAMP	ADD 4TH EASTBOUND LANE SOUTHSIDE OF KATELLA WEST OF VALLEY VIEW FOR .25 MILES	V	1	V								
OR	L	LAGUNA HILLS	ORA000124	0	0.0	0.0	MOULTON PKWY	LAKE FOREST	EL PACIFICO	MOULTON PKWY (LAKE FOREST TO EL PACIFICO) WIDEN FRM 8 TO 9 LNS. N/B FRM 4 TO 4 AND S/B FRM 4 TO 5. WIDEN INTERSECTIONS AND LANDSCAPE.	WIDEN SOUTHBOUND FROM 4 TO 5 LANES	1	٧			1						
OR	L	LAGUNA HILLS	ORA000125	0	0.0		MOULTON PKWY		EL PACIFICO	MOULTON PKWY (SANTA MARIA TO EL PACIFICO) WIDEN FRM 7 TO 9 LANES (N/B 3 TO 4 AND S/B 4 TO 5), WIDEN INTERSECTIONS, ADD SIDEWALK AND LANDSCAPING.	WIDEN NORTHBOUND FROM 3 TO 4 LANES. 2. WIDEN SOUTHBOUND FROM 4 TO 5 LANES.	1	1				1					
OR	L	LAGUNA HILLS	ORA000127	0	0.0		PASEO DE VALENCIA	DRIVE	EL TORO ROAD	DR TO EL TORO RD) WIDEN FROM 4 TO 6 LANES	WIDEN FROM 4 TO 6 LANES	V	1			V						
OR	L	LAGUNA HILLS	ORA000131	0	0.0	0.0	RIDGE ROUTE DR	FROM WEST SIDE OF ROUTE 5	EAST SIDE OF ROUTE 5	CONSRUCT NEW OVERPASS ON RIDGE ROUTE DR AT 1-5 FROM WEST SIDE OF 1-5 TO EAST SIDE OF 1-5 ON RIDGE ROUTE (FROM 0 TO 4 LANES).	CONSTRUCT NEW OVERPASS FROM 0 TO 4 LANES	1				V						
OR	L	LAGUNA NIGUEL	ORA120316	0	0.0	0.0	CROWN VALLEY PKWY	FORBES	I-5 ON RAMP	LAGUNA NIGUEL - CROWN VALLEY PKWY WIDENING (WIDEN SB FROM FORBES TO 1-5 ON RAMP, FROM 4 TO 5 LANES; ADD DED RT TRN LN FOR SB 1-5 ON RAMP & DED RT TRN LN FOR NB ON RAMP)	WIDEN SB FROM FORBES TO I-5 ON RAMP FROM 4 TO 5 LANES.	1					V					
OR	L	LAGUNA NIGUEL	ORA000132	0	0.0		GOLDEN LANTERN			GOLDEN LANTERN SMART STREET (ALOMA TO SARDINA) WIDEN FROM 4 TO 6 LANES.		V	1	√								
OR	L	LAKE FOREST	ORA040604	0	0.0	0.0	EL TORO RD		1. ROCKFIELD 2.JUTEWOOD / CORNELIUS	EL TORO RD IMPROVEMENTS AND ASSOC. INTERSECTIONS; WIDEN FROM 6 TO 9 LANES (4 EACH DIR PLUS TURN LANE INTERSPERSED) I-5 TO ROCKFIELD, AND 6 TO 8 LANES (4 EACH DIR) ROCKFIELD TO JUTEWOOD/CORNELIUS.	1. WIDEN FROM 6 TO 9 LANES WESTBOUND 2. WIDEN FROM 6 TO 8 LANES (4 EACH DIRECTION)	7	٧	٧								
OR	L	MISSION VIEJO	ORA010400	0	0.0	0.0	ALICIA PKWY	CHARLINDA DRIVE	MUIRLANDS BLVD	ALICIA PARKWAY (CHARLINDA DR TO MUIRLANDS BLVD) WIDEN FROM 6 TO 7 LANES NORTHBOUND		V	V	V								



FINAL 2008 RTP AMENDMENT #1 AND 2008 RTIP AMENDMENT #08-01 MODELED PROJECTS

	1515													NET	WORK	ORK YR (P		CT CC	MPI F	TION	BY)**
СО	O SYS* LEAD AGENCY	LEAD AGENCY	RTP/RTIP ID	RTE	BEG PM	END PM	STREET	FROM	то	DESCRIPTION	ADDITIONAL DETAILS, IF AVAILABLE	2008 RTIP				2010					
0.0			001000110				1/ATELLA AN/E		IEAN!	WATELLA AVE OMART OT WILLIAMS TO	WIREN FROM 4 TO 01 AND			2000	2009		2012	2014	2020	2030	2033
OR	L	ANAHEIM	ORA000110	0	0.0	0.0	KATELLA AVE	HUMOR	JEAN	KATELLA AVE SMART ST (HUMOR TO JEAN) WIDEN FRM 4 TO 6 LANES	WIDEN FROM 4 TO 6 LANES	V	√			√					
OR	L	ANAHEIM	ORA55014	0	0.0	0.0	TUSTIN AVE	LA PALMA	ROUTE 91	TUSTIN AVE (LA PALMA TO SR-91)	WIDEN FROM 4 TO 6 LANES	V	√	√							-1
										WIDEN FROM 4 TO 6 LANES (1500' TOTAL)											
OR	L	BUENA	ORA55024	0	0.0	0.0	VALLEY VIEW	LINCOLN	ARTESIA	VALLEY VIEW ST (LINCOLN TO	WIDEN FROM 6 TO 8 LANES	V	√			√					
		PARK								ARTESIA) WIDEN FROM 6 LANES TO 8 LANES.											
OR	L	COSTA	ORA990410	0	0.0	0.0	HARBOR BLVD	AT GISLER		HARBOR BLVD @ GISLER AVE.	ADD 2ND SOUTHBOUND ROUTE 405	V	√			√					
		MESA						AVENEUE		INTERSECTION CHANNELIZATION.	SLIP ON RAMP LANE										
								INTERSECTION		ADD 5TH NB LANE ON HARBOR BLVD. AND RT LANE ON GISLER TO NB											
										HARBOR, 2ND SB I-405 SLIP ONRAMP											
										LANE											
OR	L	COSTA	ORA120502	0	0.0	0.0	NEWPORT BLVD	19TH	HARBOR	COSTA MESA NEWPORT BLVD	WIDEN FROM 6 TO 8 LANES	√	√		√						
		MESA								WIDENING - 1 LN EA DIR (FROM 19TH TO HARBOR; FRM 6 TO 8 LNS)											
OR	L	CYPRESS	ORA990607	0	0.0	0.0	KATELLA AVE	VALLEY VIEW		KATELLA AT VALLEY VIEW ST.	ADD 4TH EASTBOUND LANE	V	√	√							
								STREET		INSTALL 4TH EB LANE ON KATELLA	SOUTHSIDE OF KATELLA WEST OF										
										AVE AT VALLEYVIEW. SOUTHSIDE OF	VALLEY VIEW FOR .25 MILES										
										KATELLA WEST OF VALLEYVIEW FOR .25 MILES.											
OR	L	GARDEN	ORA55031	0	0.0	0.0	HARBOR BLVD	ROUTE 91	ROUTE 405	HARBOR BLVD SMART STREET (SR-	WIDEN FROM 4 TO 6 LANES	V	√	√							
		GROVE								91 TO I-405) WIDENING FROM 4 TO 6											
										LANES AND INTERSECTION											
OR	1	HUNTINGTO	ORA120522	0	0.0	0.0	ATLANTA	FIRST	DELEWARE	IMPROVEMENTS. HUNTINGTON BEACH - ATLANTA AVE	WIDEN FROM 2 TO 4 LANES	V				√					
0.1		N BEACH	0.020022		0.0	0.0	,		522277112	WIDENING (FRM FIRST TO		,				,					
										DELAWARE; FRM 2 TO 4 LNS)			ļ.,				,				
OR	L	IRVINE	ORA000169	0	0.0	0.0	CULVER DR	CAMPUS DRIVE	BONITA CANYON	CULVER DR (CAMPUS DR TO BONITA CYN) WIDENING FROM 2 LANE	WIDEN FROM 2 LANE UNDIVIDED TO 4 LANE DIVIDED FACILITY	V	√				√				
										UNDIVIDED TO 4 LANE DIVDED	LANE DIVIDED FACILITY										
										FACILITY AND REALIGN.											
OR	L	IRVINE	ORA120512	0	0.0	0.0	CULVER DR	I-5	TRUBUCO	9	ADD 5TH LANE ON I-5 SB OFFRAMP	√	√				√				
										(ADD 5TH LANE ON I-5 SB OFFRAMP; 3RD NB THRU LN; 2ND WB RT TRN LN											
										SKE NE TIKO EN, ZNE WE KT TKN EN											
OR	L	IRVINE	ORA48	0	0.0	0.0	JEFFREY RD	IRVINE CENTER	WALNUT	JEFFERY RD (IRVINE CENTER DR TO	WIDEN FROM 4 TO 6 LANES	V	√	√							
								DRVIE		WALNUT) RAILROAD GRADE											
OR	1	IRVINE	ORA110602	0	0.0	0.0	LAGUNA CANYON			SEPARATION. FROM 4 TO 6 LANES. WIDENING OF LAGUNA CANYON / I-		V	- V			√					
	_		2.01110002		0.0	0.5	RD			405 OVERCROSSING FROM 2 TO 4		'	'			'					
										LANES		,		<u> </u>	<u> </u>		,				
OR	L	IRVINE	ORA112	0	0.0	0.0	MOULTON ST	HARVARD	LAKE FOREST	MOULTON SMART STREET (HARVARD TO LAKE FOREST) WIDEN 4 TO 6	WIDEN FROM 4 TO 6 LANES	V	√				√				
										LANES											
OR	L	IRVINE	ORA000118	0	0.0	0.0	SAND CANYON	BURT ROAD	LAGUNA CANYON	SAND CYN RD @ SCRRA TRACKS	WIDEN FROM 4 TO 6 LANES	√	√	İ	√						
							RD		OAK CANYON	(BURT RD TO LAGUNA CANYON/OAK											
										CANYON) - RAILROAD GRADE SEPARATION. WIDENS FROM 4 TO 6											
										LANES											
OR	L	IRVINE	ORA120514	0	0.0	0.0	TRABUCO RD			IRVINE - TRABUCO RD @ I-133 (ADD		V	V		1		√				
										NEW ON-RAMPS AND OFF RAMPS AT					1						
OR		LA HABRA	ORA120515	0	0.0	0.0	LAMBERT RD	EUCLID	CYPRESS	TRABUCO & I-133) LA HABRA - LAMBERT RD WIDENING	WIDEN FROM 4 TO 6 LANES	V	V	√	1						-
OI.	-	אומטוות	SIMIZUU13		0.0	0.0	E WIDEIXI IXD	LJOLID	CTINEGG	(FRM EUCLID TO CYPRESS ST; FRM 4	WIDENT NOW TTO 0 LANES	,	,	,	1						
										TO 6 LNS)			<u> </u>	<u> </u>							
OR	L	LAGUNA HILLS	ORA000119	0	0.0	0.0	ALICIA PKWY	PASEO ALICIA	ROUTE 5 SOUTHBOUND	ALICIA PKWY @ I-5. ADD 4TH EB LANE FROM PASEO DE ALICIA TO I-5 SB		√	√	√							.
		HILLS							RAMP	RAMP	SOUTHSIDE OF KATELLA WEST OF VALLEY VIEW FOR .25 MILES										
			L	1	L	1	L.	1	1. 0. 0.011	1. 0	TARLET TIETT OIL LO MILLO	1	1	•	1						

December 4, 2008

^{*} S = State Hwy, L = Local Hwy, T = Transit
** The actual completion date may vary, e.g. a project completed in 2016 would have a network year of 2020.